EXPEDITED SOLAR PV PERMIT APPLICATION
CHECKLIST

INTENDED FOR LICENSED CVC and EC CONTRACTORS ONLY

Qualifier must certify **ALL** the following statements by Initialing each one (otherwise, submit application via normal process):

STRUCTURAL Details

_____This is a detached **Single Family Dwelling** (SFD), or, is a free-standing Residential Accessory Structure
_____This structure is legally permitted, and is compliant with setbacks and height requirements
_____*Expedited Solar PV Permit* Worksheet (**Attachment B**) is completed and attached
_____The existing roof assembly and covering are in satisfactory condition for the proposed installation
_____The Homeowner has been advised of the impact a rooftop installation might have on existing warranties
_____The roof is framed with wood trusses or rafters at no greater than 24" on center
_____The Design Wind Speed for the project is 170Vult MPH; Exposure B or C
_____The Mounting System is Site-Specifically Engineered to 170Vult MPH wind-load pressures
_____The Array supports are spaced so that no *Point Load* attachment exceeds 50 lbs. (see Worksheet).
_____The Array supports are spaced so the *Distributed Load* does not exceed 5 psf. (see Worksheet)
_____The Array is set back from all roof edges by at least 3' (feet)
_____The Array does not cantilever over the perimeter anchors by more than 6" (inches)
_____The gap under the modules to the roof surface does not exceed 12" (inches)
_____Anchor-to-roof *Flashing*/*Sealing* method and product(s) are identified and listed for this use

ELECTRICAL Details

_____The Solar PV maximum load to be added to the panel-board/service is based on the rating of the system and is limited to 10 kW (see worksheet for wire, inverter, disconnect, etc. sizing limitations)
_____The System is FSEC Certified or is designed by an appropriate licensed professional
_____The PV System is composed of 4 series strings, or less, per Inverter
_____All modules, inverters, combiner boxes, etc. are identified, listed and labeled for use in PV systems

ADDITIONAL DOCUMENTS REQUIRED

1. Building Permit Application
2. Expedited Solar PV Worksheet (**Attachment B**)
3. Supporting certification and/or listing documents for all equipment and components
4. CVC required to subcontract with an EC (No-Fee sub permit) for final utility-interactive connection
5. *Qualifier's Certification of Installation* form (**Attachment C**) – Submit to Inspector at Final Inspection
6. **Photographic evidence** of each phase of the installation (**must be verifiable as site-specific)**
   a. Rack/Bracket mount attachments to Structural members
   b. PV Module attachment to mounting Rack/Rail/Brackets
   c. Array and Rack bonding attachments
   d. Connections within Combiner, Inverter, Transfer Switch, Panel, and Utility Interconnection point

EXPEDITED SOLAR PV PERMIT

WORKSHEET

Address: _____

Racking/Mounting/Bracket Manufacturers (include specs): _____

Max Spacing between Brackets or Attachment Points on Rail: _____

_____**Engineered Attachment Detail is Included** showing ALL Components & Attachments within the wind load path
(Initial) [i.e. PV Panel → Bracket(s) → Fastener(s) → Rail and/or Mounting Feet → Fastener(s) → Structure]

SOLAR ARRAY - Weight and Loading Calculations

Point Load Calculation:

1. Number of Panels in Array	
2. Total Weight of PV Modules and Rails	
3. Total Number of Attachment Points	
4. Weight per Attachment Point (#2 ÷ #3) ***POINT LOAD*** - Must be ≤ 50 lbs.	

Distributed Load Calculation:

5. Solar Panel area (l x w) ft^2		
6. Total Array Area	(#1 x #5)	
7. ***DISTRIBUTED LOAD*** (Must be ≤ 5lb/ft^2)	(#2 ÷ #6)	

UTILITY-INTERACTIVE Grid Connection Details:

TOTAL PV Output Ampacity: _____ **Output Circuit Conductor Size: _____**

- **SUPPLY/LINE Side Connection:**

  Service Rating:_____ **Splice/Tap Device: _____**
  Service Conductor Size:_____ **Manufacturer: _____**

- **LOAD Side Connection:**

Identify (circle) the system design: Wire/ OCPD/ Busbar/ Main Breaker [Table per NEC 705.12(D)]

Inverter Output Maximum Current	Inverter OCPD Required	Inverter Output Conductor Size	Minimum Busbar Ampacity and Main Breaker Size Combinations for LOAD Side Connection
64 Amps	80 Amps	4 AWG	400/ 400 or 200/ 150
56 Amps	70 Amps	4 AWG	225/ 200 or 250/ 225
48 Amps	60 Amps	6 AWG	300/ 300 or 200/ 175
40 Amps	50 Amps	8 AWG	125/ 100 or 150/ 125
32 Amps	40 Amps	8 AWG	225/ 225 or 200/ 200 or 150/ 125
24 Amps	30 Amps	10 AWG	150/ 150
16 Amps	20 Amps	12 AWG	100/ 100 or 70/ 60
12 Amps	15 Amps	14 AWG	80/ 80

I certify that all the foregoing information is accurate and all work performed will comply with all applicable codes & standards regulating construction.

_____ _____ _____
Qualifier's Signature Print Name License #

QUALIFIER's Certification of Rooftop PV Installation

(To be provided to Inspector at Final Inspection)

******Certification must be accepted and approved in order to pass the Final Inspection******

Permit#_____

Job Address_____

I _____, licensed as a:
__ Contractor (_____)
__ Engineer (_____)
__ Architect (_____)
Do hereby certify the following:

On ___ /___/ 20__ || ____ : ____, I did personally inspect all of the Solar PV Array roof mounting system,
(Mo/Dy/Yr) (Time) components, connections, and structural attachments at the above address, and did find the complete installation to have been mounted and fastened in compliance with the approved plans, manufacturer's specifications, and structural requirements of the current Florida Building Code.

Based on my inspection, I have determined the completed installation has not compromised the Structural Integrity of the roof assembly, and is in compliance with the Florida Building Code, National Electrical Code and Approved Plans.

_____ _____ _____
(Print Qualifier's Name) *(Qualifier Signature)* *(Date)*

Sworn to or affirmed before me by means of ☐ physical presence or ☐ online notarization this _____ day of _____, 20_____ by _____, who is ☐ personally known to me or ☐ has produced _____ as identification.

_____ Notary State of Florida

_____ Name of Notary (Typed Printed or Stamped)